

D-series

for three phase alternating current, 4 pole

RM50D-4D



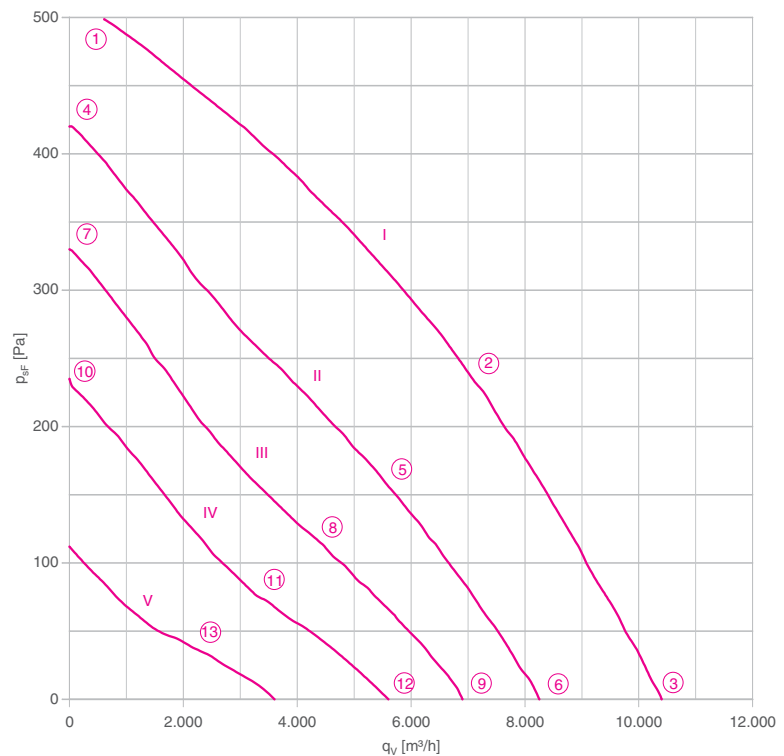
Description

Motor technology: AC
Rated voltage U_N : 3~ 230/400 V (Δ/Y) $\pm 10\%$ *
Rated frequency f_N : 50 Hz*
Motor input power P_1 : 1.35 kW*
Rated current I_N : 4.10/2.40 A*
Rated speed n_N : 1320 min⁻¹*
Starting current I_A : 17.00 A / 9.50 A
Thermal class: **THCL155***
Min. permitted ambient temperature $t_{R(min)}$: -40 °C
Protection class: IP54
Motor protection: Thermal contact
Impeller : Aluminium, uncoated
Motor: 1 coat paint, pebble grey
Conformity: ErP 2015, CE

ErP-data

Efficiency η_{statA} : 40.1 %
Efficiency: $N_{actual} = 50.0 / N_{target} = 50^{**}$
* Rated data
**ErP 2015

Characteristic curve

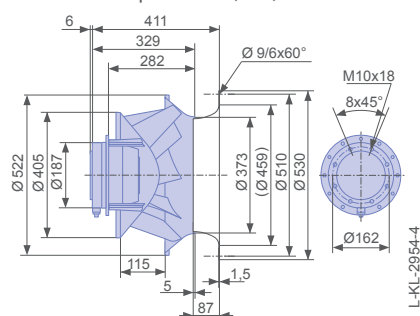


Measured with inlet ring, without guard grille according to ISO 5801

- Inlet ring 00278489 Page 264
- Connection diagram 1360-106XA SW Page 367
- System components Page 262

Dimensions [mm]

Free running motorised impeller RM
in installation position H, Vu, Vo



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Motor input power	Speed	Suction side sound power level
		U [V]		I [A]	P ₁ [W]	n [min ⁻¹]	L _{WA5} [dB]
RM50D-4DK.6F.1R	I	400	①	1.60	780	780	
		400*	②	2.30*	1350*	1350*	80
		400	③	2.20	1200	1200	87
	II	230	④	1.60	610	610	
		230	⑤	2.40	930	930	75
		230	⑥	2.30	860	860	82
	III	180	⑦	1.70	520	520	
		180	⑧	2.30	690	690	70
		180	⑨	2.30	660	660	77
	IV	140	⑩	1.70	390	390	
		140	⑪	2.10	460	460	64
		140	⑫	2.00	450	450	71
	V	90	⑬	1.50	210	210	

*rated data

Fan ordering information

Design	RM
Installation position	H/Vu/Vo
Electrical connection	Supply cable lateral 85cm
	
Type	RM50D-4DK.6F.1R
Article no.	106028
Weight [kg]	17.00
* Inlet ring not included	

Control technology

Frequency inverter Fcontrol 3~  ➤ Page 302	Motor protection units 3~  ➤ Page 344	Transformer-based controllers 3~  ➤ Page 334	Electronic voltage controllers 3~  ➤ Page 324
--	---	--	---